

OPTIONS
Fill Valve
Connection for Air Tank
Vent etc.

We are able to warrant safety when following our own 30 year proven methods :-
We can not accept end user statement that design pressure is working pressure

Where Allowable Working Stress = S
Design Pressure P = MAWP + 10% + 15%
Joint Efficiency = E

RV is for relief safety valve set pressure
RVacc for relief valve accumulation pressure

E is 1.0 No Welds, or radiographed.
E is 0.7 Welded but not radiographed.

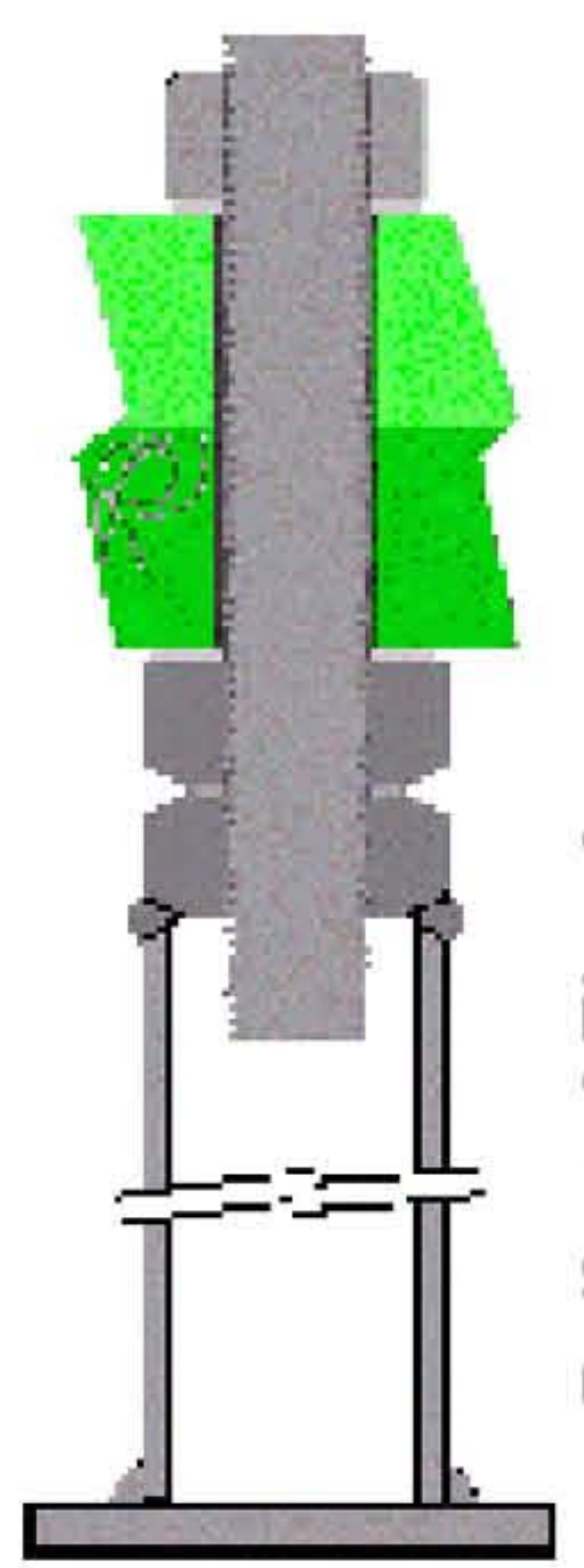
$$T = \frac{\text{Design Pressure} \times \text{Radius Internal}}{S(\text{From Pt. II D 1992}) \times E - (0.6P)}$$

As the ASME have increased allowable working stress, enabling cheaper less safe vessels, so "U" certification business can be expanded competitively, and hence ASME income; and concurrently the European PED has no Safety Coefficients in its ESRs approved for cyclic duty snubber dampers, whilst allowing ductility as low as 14%, therefore we are unable to offer any suitability for purpose on "Coded" items, and must warn accordingly.

DECLARATION
as required by
PED Mandatory Essential
Safety Requirement "ESR"
- to use
'SAFETY COEFFICIENTS'
is not complied with
because neither EN 5500
EN 13445 have Safety
Coefficients.



Typical-Water-Hammer-Alleviator- FOT.bmp



16	SS Data Plate	IDENTIFICATION / TRACEABILITY
15	Body pipe	
14	Seal Set - Brown = Elastomer,	
12	Closure bolting	
11	Mounting Lugs	
10	Vessel open end flange	
9	Service entry closure	
8	Float Shut-down packing adjustment nut	
7	Allows Float Lift-off no hydro-lock	
6	Float Auto Purge System	
5	Float Base with shut down seal	
4	Float Wipers -Trap Absorbed Air	
3	Float Head with Air Check Valve	
2	Float Travel Stop	
1	2:1 S.E. Head	

Item Nbr	Description / function	Internal "Heat/Cast No" PURCHASE No
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Scale : Please do not print without "MAINTAIN ASPECT RATIO" on, Use A3 paper
Part Nbr. / Drawing Ref : Date th 200- Rev Nbr
FOT/ Lt./ bar/ y/ 7316L Flange Designation 316L

- SHOCKGUARD** <http://www.shockguard.co.uk>
- SHOCKGUARD** <http://www.shock-guard.com>
- SHOCKGUARD** Waermeausdehnung-Kompensator www.waermeausdehnung.com
- SHOCKGUARD** Druckschlagverhinderer www.schockabsorber.com
- SHOCKGUARD** Rohreitungsschockabsorber
- SHOCKGUARD** suppressors & arrestors www.ShockGuard.us
- SHOCKGUARD** line shock alleviators Shock-alleviators.co.uk
- SHOCKGUARD** for pump start-up surge, Surge-alleviators.com
- SHOCKGUARD** noise caused by rapid valve closure www.water-hammer.com

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